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TECHNOLOGY CENTER R3700

## SUPPLEMENTAL AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

This is to supplement the Amendment After Final that was filed on October 15, 2002 in response to the Office Action mailed on June 12, 2002.

The following amendments and remarks are respectfully submitted. Reconsideration of the claims is respectfully requested.

**IN THE CLAIMS:**

Please AMEND claims 1 and 16-18 in accordance with the following:

1. (AS THREE TIMES AMENDED) An arrangement for predicting an abnormality of a dynamic system and for implementing an action opposing the abnormality using a continuous information flow that describes a development of a predictability of several future system states, comprising:

a)    a measured data pick-up that registers comparison measured data of said system and test measured data of said system;

b)    a processor unit, having a neural network that models said system, said processor unit

(1)    training said neural network using said comparison measured data;

(2)    determining a comparison information flow that describes a comparison